

**Histone H4 Antibody**  
Rabbit mAb  
Catalog # AP90877**Specification****Histone H4 Antibody - Product Information**

Application	WB, IHC, ICC, IP
Primary Accession	<a href="#">P62805</a>
Reactivity	Rat
Clonality	Monoclonal

**Other Names**

Histone H4; HIST1H4A; H4/A, H4FA; HIST1H4B; H4/I; H4FI; HIST1H4C; H4/G, H4FG; HIST1H4D; H4/B, H4FB; HIST1H4E; H4/J, H4FJ; HIST1H4F; H4/C; H4FC; HIST1H4H; H4/H; H4FH; HIST1H4I; H4/M; H4FM; HIST1H4J; H4/E, H4FE; HIST1H4K; H4/D, H4FD; HIST1H4L; H4/K; H4FK;

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	11367 Da

**Histone H4 Antibody - Additional Information**

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Histone H4

Description	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H4 family.
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Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
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**Histone H4 Antibody - Protein Information**

Name H4C1

**Synonyms** H4/A, H4FA, HIST1H4A

### Function

Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

### Cellular Location

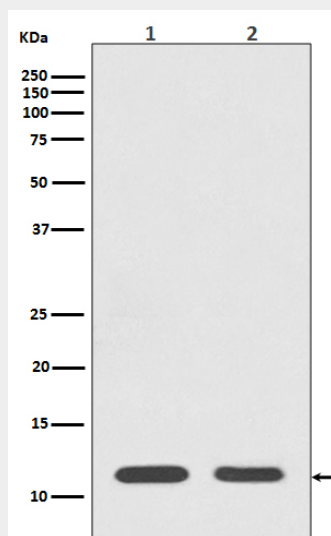
Nucleus. Chromosome.

## Histone H4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

## Histone H4 Antibody - Images



Western blot analysis of Histone H4 expression in (1) HeLa cell lysate; (2) 3T3 cell lysate.